

10/527191

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00585

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/47 C12N9/64 C12N15/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, CHEM ABS Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 06460 A (THIEL STEFFEN ;JENSENIUS JENS CHRISTIAN (DK)) 24 January 2002 (2002-01-24) EPOP:AX356841 80 % Identity with Seq ID No 1 and claims 39-56 ---	1-51
X	WO 99 10001 A (TAKARA SHUZO CO ;KAWASAKI TOSHISUKE (JP)) 4 March 1999 (1999-03-04) GSP:AAY03769 70 % Identity with Seq ID No 118 ---	1-51
X	WO 99 37676 A (FUSO PHARMACEUTICAL IND ;WAKAMIYA NOBUTAKA (JP)) 29 July 1999 (1999-07-29) GSP:AAY29485 70 % Identity with Seq ID No 118 --- -/--	1-51

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

16 February 2004

Date of mailing of the international search report

09 MAR 2004

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00585

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 70043 A (JENSEN THOMAS VORUP ;THIEL STEFFEN (DK); JENSENIUS JENS CHRISTIAN) 23 November 2000 (2000-11-23) EPOP:AX050148 60 % Identity with Seq ID No 2 and claim 22 ---	8
X	US 6 337 193 B1 (RONNING MICHAEL T ET AL) 8 January 2002 (2002-01-08) USPOP:AAE88434 70 % Identity with Seq ID No 118 ---	1-51
X	MATSUSHITA MISA0 ET AL: "The role of ficolins in innate immunity." IMMUNOBIOLOGY. GERMANY SEP 2002, vol. 205, no. 4-5, September 2002 (2002-09), pages 490-497, XP002270462 ISSN: 0171-2985 figure 1 ---	1-51
X	FUJITA TEIZO: "Evolution of the lectin-complement pathway and its role in innate immunity." NATURE REVIEWS. IMMUNOLOGY. ENGLAND MAY 2002, vol. 2, no. 5, May 2002 (2002-05), pages 346-353, XP002270463 ISSN: 1474-1733 figure 2 ---	1-51
A	WO 01 40451 A (THIEL STEFFEN ;JENSENIUS JENS CHRISTIAN (DK)) 7 June 2001 (2001-06-07) EPOP:AX1564671 50 % Identity with Seq ID No 1 ---	1-51
A	MATSUSHITA M ET AL: "Cutting edge: complement-activating complex of ficolin and mannose-binding lectin-associated serine protease." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD.: 1950) UNITED STATES 1 MAR 2000, vol. 164, no. 5, 1 March 2000 (2000-03-01), pages 2281-2284, XP002270464 ISSN: 0022-1767 figure 1 --- -/--	1-51

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JINHUA LU ET AL: "Collectins and ficolins: sugar pattern recognition molecules of the mammalian innate immune system" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1572, 2002, pages 387-400, XP002270465 table 2	1-51
A	----- MATSUSHITA MISAO ET AL: "Activation of the lectin complement pathway by H-ficolin (Hakata antigen)." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD.: 1950) UNITED STATES 1 APR 2002, vol. 168, no. 7, 1 April 2002 (2002-04-01), pages 3502-3506, XP002270466 ISSN: 0022-1767 figures 1-5 -----	1-51

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/DK 03/00585

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 37-42  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box I.1

Claims Nos.: 37-42

Claims 37-42 relates to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods practised on the human or animal body (PCTRule 39.1(i)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds or compositions.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 03/00585

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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